



013004

18351 U.S. PTO

APPROVED  
for  
PTO DEPOSIT ACCOUNT CHARGE  
ACCOUNT#04-1700

Express Mail Number: EL984584060US

Date Deposited: 01/30/2004

DUNLAP CODDING &amp; ROGERS, P.C.

PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCEUTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 5920.002

First Inventor Lijun Xia et al.

Title HEMATOPOIETIC STEM CELLS TREATED BY IN VITRO FUCOSYLATION  
AND METHODS OF USE

Express Mail Label No. EL984584060US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Appl., Comm. for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 53]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description - Redline Specification \_\_\_\_ pgs  
- Claim(s) - Clean Specification \_\_\_\_ pgs  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration [Total Pages 2]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))  
37 CFR 3.73(b) Statement ☒ Power of  
(when there is an assignee) Attorney
10. ☒ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS  
Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
16. ☒ Other: SEE BELOW

18. This application is:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information:

Examiner

of prior application No.:

Group Art Unit:

☐ As a CON, DIV, or CIP, this application contains one or more changes to (1) the specification; (2) drawings; or (3) claims in the above-identified prior application. A red-line version of the application showing these changes will be made available to the examiner upon request.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

30589

(Insert Customer No. or Attach bar code label here)

or

☐ Correspondence address below

Name	Dunlap, Coddling & Rogers, P.C.				
	P. O. Box 16370				
Address	Attn: Christopher W. Corbett				
City	Oklahoma City	State	OK	Zip Code	73113
Country	USA	Telephone	(405) 607-8600	Fax	(405) 607-8686

Name (Print/Type)	Christopher W. Corbett	Registration No. (Attorney/Agent)	36.109
Signature		Date	1/30/04

SEND TO: Mail Stop Patent App  
P.O. Box 1450  
Alexandria, VA 22313-1450

17) 1. Utility Patent Application Transmittal (1 page); 2. Fee Transmittal (1 page) Authorizing the Commissioner to charge indicated fees of \$1,074.00 (which include Utility filing fee of \$385.00, Extra Claim fee of \$649.00, and Recordation of Assignment fee of \$40.00) or any additional fee required and/or credit any overpayments to Deposit Account Name Dunlap, Coddling & Rogers, P.C.; 3. Patent Application Fee Determination Record (1 page); 4. Executed Power of Attorney or Authorization of Agent and Certificate Under 37 CFR 3.73(b) (2 pages); 5. Assignment including Recordation Cover Sheet (3 pages); 6. Complete Application for Publication (53 pages) including: (A) Specification (39 pages); (B) 73 Claims (13 pages); (C) Abstract (1 page); 7. Executed Declaration for Utility or Design Patent Application (2 pages); 8. Petition to Accept Color Drawings (2 pages); 9. Formal Drawings with labels (11 sheets) (identifying indicia in the top margin of each sheet); 10. Information Disclosure Statement (3 pages); 11. Form 1449 (modified) (3 pages); 12. Copies of Cited Art; and 13. Return receipt postcard

APPROVED

for

PTO DEPOSIT ACCOUNT CHARGE  
ACCOUNT NO. 04-1700Express Mail No.: EL984584060US  
Date Deposited: 01/30/2004

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL  
for FY 2004**

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 1,074

**Compleat if Known**

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Lijun Xia et al.
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	5920.002

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number

04-1700

Deposit  
Account  
NameDunlap, Codding & Rogers, P.C.  
Customer No. 30589

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	385
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$ ) 385

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
73	53	9	\$477
7	4	43	\$172
Multiple Dependent			\$0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ ) 649

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 40

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)

Christopher W. Corbett

Registration No.  
(Attorney/Agent)

36,109

Telephone (405) 607-8600

Signature

Date

01/30/2004

Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450, Alexandria, VA 22313-1450

**EXPRESS MAIL NO.: EL984584060US**  
**Deposited On: January 30, 2004**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Application No. : Not Yet Assigned      Confirmation No.: N/A**  
**Applicant(s) : Lijun Xia and Rodger P. McEver**  
**Filed : Herewith**  
**TC/A.U. : Unknown**  
**Examiner : Unknown**  
**Title : HEMATOPOIETIC STEM CELLS TREATED BY IN**  
**VITRO FUCOSYLATION AND METHODS OF USE**

**Docket No. : 5920.002**  
**Customer No. : 30589**

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Arlington, VA 22313-1450**

**PETITION TO ACCEPT COLOR DRAWINGS OR PHOTOGRAPHS**  
**(37 CFR § 1.84(a)(2) AND (b)(2))**

1. This Petition is for the acceptance of color:  
  
      X   drawings. (37 CFR § 1.84(a)(2))  
  
    \_\_\_ photographs (37 CFR § 1.84(b)(20))
  
2. Attached hereto are three (3) sets of color:  
  
      X   drawings.  
  
    \_\_\_ photographs.

02/06/2004 HMEKONEN 00000004 041700 10769686  
01 FC:1460 130.00 DA

3. The reason(s) for the need for color drawings or photographs in this application is/are as follows:

Data points in Figure 3 are differentiated via color.

4. The petition fee required to waive the requirement of § 1.84 (37 CFR § 1.17(i) - \$130.00) is paid as follows:

\_\_\_ Attached is a

\_\_\_ check

\_\_\_ money order

in the amount of \$\_\_\_\_\_.

X Authorization is hereby made to charge the amount of \$130.00

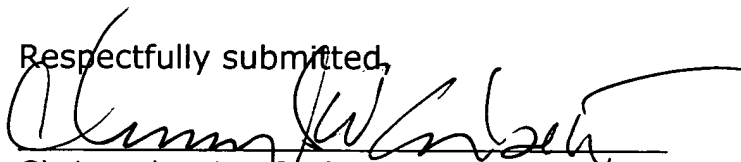
X to Deposit Account No. 04-1700

\_\_\_ to credit card as shown on the attached credit card  
information authorization form PTO-2038.

X Charge any additional fees required by this paper or credit any  
overpayment in the manner authorized above.

A duplicate of this paper is attached.

Respectfully submitted,



Christopher W. Corbett, Reg. No. 36.109

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